PATENT ABSTRACTS OF JAPAN

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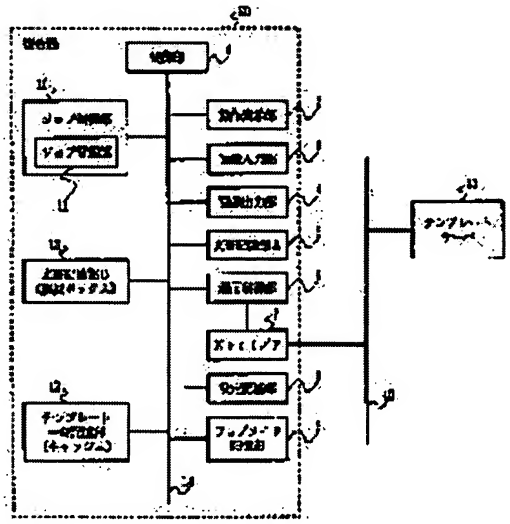
(54) PARAMETER SETTING METHOD AND DEVICE FOR IMAGE PROCESSOR

(57)Abstract:

PROBLEM TO BE SOLVED: To make the setting of a job memory and a job template coexist and to easily set a parameter by referring to both of first and second setting files selected from plural setting files and executing a job.

SOLUTION: When a user selects the job template by depressing a selection key, a control part 1 reads the parameter set in the selected job template from a template temporary storage part 13 and copies the read parameter to a setting storage part 8. When the user selects the job memory by pressing the selection key, the control part 1 reads the parameter set in the selected job memory from a job memory storage part 9, and when the storage destination of an image is set to the read job memory, copies all the read parameters to the setting storage part 8. When all the parameters required for job execution are set, the control part 1 indicates the execution of the job to a job control part 10.



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[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[Field of the Invention] This invention relates to the parameter setup approach of an image processing system and equipment which can use efficiently utilization of the parameter set up especially beforehand about the parameter setup approach of an image processing system, and equipment.
[0002]
[Description of the Prior Art] In image processing systems, such as a copying machine, a printer, a scanner, facsimile, and those compound machines, in case a job is performed, it is necessary to set up the operating condition etc. as a parameter. Since complicated actuation is required for setting out of a parameter and there are many parameters set [especially] up with a scanner, the time amount which activation preparation of a job takes becomes long.
[0003] For this reason, in image processing systems, such as a compound machine, the parameter of equipment is registered and the job memory which can be replaced with and used for the parameter setup by manual operation by calling this is used. This job memory memorizes the parameter of the equipment in the event of registering (registration), and where setting out of a parameter is finished, it usually registers. Moreover, it is not necessary to necessarily set up all the items of a parameter, and you may make it set up some items.
[0004] By the way, recently, it is also used by image processing systems, such as a compound machine, more often, connecting with a network, and the registration and the call of a parameter to a thing which are called a job template are used apart from job memory in connection with this.
[0005] Here, each of job memory and a job template is explained by making the scanning function of a compound machine into an example. Drawing 13 is the table having shown the item (only part) which can be set up by job memory and the job template.
[0006] Since job memory registers setting out which performed with a compound machine as it is as having mentioned above, as shown in drawing 13 , it is the same as that of the item which can set up by the control unit of a compound machine, and assignment of the confidential box of the compound inside of a plane used as the storing place of the image which read, and the reading resolution (the example, 200dpi, 400dpi, etc.), the class (the alphabetic character / photograph / alphabetic character photograph) of manuscript, the reading concentration the reading size and the double-sided assignment of it be attained. [of the item which can set up]
[0007] On the other hand, a job template is created by the client connected to the network, and is registered into the template server, and it is replaced with the manual setting of a parameter because a compound machine acquires this job template through a network. Moreover, in a job template, the server and client which were connected to the network are set up as a storing place of the read image, and the compression approach of image data can also be set up.

[0008]

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CLAIMS

[Claim(s)]
[Claim 1] In the parameter setup approach of an image processing system of performing a job based on the configuration file which this referred to the parameter to some or all of two or more elements with reference to the configuration file of the request in two or more configuration files set up beforehand The parameter setup approach of the image processing system characterized by performing a job with reference to a part of 1st configuration file chosen from said two or more configuration files, and some both of the 2nd configuration file chosen from said two or more configuration files.
[Claim 2] After performing it by said 1st configuration file's boiling all and receiving, said 2nd configuration file all boils said reference, and it receives and is performed. About the element set up by said 2nd configuration file among said two or more elements, setting out of this 2nd configuration file is confirmed. It is the parameter setup approach of the image processing system according to claim 1 characterized by confirming setting out of said 1st configuration file about the element which is not set up by said 2nd configuration file among said two or more elements.
[Claim 3] After performing it by said 1st configuration file's boiling all and receiving, said 2nd configuration file all boils said reference, and it receives and is performed. About the element set up by said 1st configuration file among said two or more elements, setting out of this 1st configuration file is confirmed. It is the parameter setup approach of the image processing system according to claim 1 characterized by confirming setting out of said 2nd configuration file about the element which is not set up by said 1st configuration file among said two or more elements.
[Claim 4] The parameter setup approach of the image processing system according to claim 3 characterized by including the element which the user deleted from this 1st configuration file to the element which is not set up by said 1st configuration file after reference of said 1st configuration file, and before reference of said 2nd configuration file.
[Claim 5] It is the parameter setup approach of the image processing system according to claim 1 to 4 which said 1st configuration file is job memory registered into said image processing system, and is characterized by said 2nd configuration file being a job template registered into the server connected through said image processing system and network.
[Claim 6] It is the parameter setup approach of the image processing system according to claim 1 to 4 which said 1st configuration file is a job template registered into the server connected through said image processing system and network, and is characterized by said 2nd configuration file being job memory registered into said image processing system.
[Claim 7] Parameter setup equipment of the image processing system which performs a job based on the configuration file which this referred to the parameter to some or all of two or more elements that is characterized by providing the following with reference to the configuration file of the request in two or more configuration files set up beforehand A selection means to choose a desired configuration file from said two or more configuration files A reference means to refer to a part of 1st configuration file and some of the 2nd configuration file which were chosen by this selection means of both
[Claim 8] said reference means, after referring to by said 1st configuration file's boiling all and receiving Refer to to all of said 2nd configuration file, and setting out of this 2nd configuration file is confirmed about the element set up by said 2nd configuration file among said two or more elements. It is parameter setup equipment of the image processing system according to claim 7 characterized by confirming setting out of said 1st configuration file about the element which is not set up by said 2nd configuration file among said two or more elements.
[Claim 9] said reference means, after referring to by said 1st configuration file's boiling all and receiving About the element set up by said 1st configuration file among a reference deed and said two or more elements to all of said 2nd configuration file, setting out of this 1st configuration file is confirmed. It is parameter setup equipment of the image processing system according to claim 7 characterized by confirming setting out of said 2nd configuration file about the

element which is not set up by said 1st configuration file among said two or more elements.
[Claim 10] Parameter setup equipment of the image processing system according to claim 9 characterized by including the element which the user deleted from this 1st configuration file to the element which is not set up by said 1st configuration file after reference of said 1st configuration file, and before reference of said 2nd configuration file.
[Claim 11] While said 1st configuration file is job memory registered into the job memory registration means which said image processing system possesses, said 2nd configuration file It is the job template registered into the server connected through said image processing system and network. Said reference means Parameter setup equipment of the image processing system according to claim 7 to 10 characterized by providing a job memory reference means to refer to said job memory registration means, and a job template reference means to refer to said server.
[Claim 12] While said 1st configuration file is a job template registered into the server connected through said image processing system and network, said 2nd configuration file It is the job memory registered into the job memory registration means which said image processing system possesses. Said reference means Parameter setup equipment of the image processing system according to claim 7 to 10 characterized by providing a job memory reference means to refer to said job memory registration means, and a job template reference means to refer to said server.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] The block diagram showing the configuration of the compound machine which applied the parameter setup approach of an image processing system and equipment concerning this invention.
[Drawing 2] Drawing having shown the example of a display of the touch panel at the time of a parameter setup.
[Drawing 3] Drawing having shown the example of a display of the touch panel at the time of choosing a confidential box as an image preservation place.
[Drawing 4] Drawing having shown the example of a display of the touch panel in the case of choosing job memory.
[Drawing 5] Drawing having shown the example of a display of the touch panel in the case of choosing a job template.
[Drawing 6] The flow chart which shows the flow of actuation of the compound machine 20 at the time of a parameter setup.
[Drawing 7] Drawing having shown change of the storage condition of the setting-out storage section 8 when the call of a job template is performed after job memory was called.
[Drawing 8] Drawing having shown change of the storage condition of the setting-out storage section 8 when the call of job memory is performed after the job template was called.
[Drawing 9] Drawing having shown change of the storage condition of the setting-out storage section 8 when the call of the job memory to which the storing place of an image is not set after a job template is called is performed.
[Drawing 10] Drawing having shown the example of a display of the touch panel in the 2nd example.
[Drawing 11] The flow chart which shows the flow of the actuation at the time of the parameter setup of the compound machine in the 2nd example.
[Drawing 12] Drawing having shown change of the storage condition of the setting-out storage section when the call of job memory is performed after the job template was called.
[Drawing 13] The table having shown the item (only part) which can be set up by job memory and the job template.
[Drawing 14] Drawing for explaining the conventional parameter setup approach by job memory and the job template.
[Description of Notations]
1 Control Section
2 Actuation Display
3 Image Input Section
4 Image Output Section
5 Document Storage Section A
6 Communications Control Section
7 NetI/F
8 Setting-Out Storage Section
9 Job Memory Storage Section
10 Job Control Section
11 Job Management Section
12 Document Storage Section B
13 Template Memory Section
14 Bus
30 Template Server
40 Network
50 Touch Panel
51 "Basic Scanner" Tab
52 "Liking Scanner" Tab

53 "Scanner Functional Listing" Tab
54 "Scanner Job Memory" Tab
55 "Confidential Box" Key
56 "Job Template Assignment Key"
57 and 57- 1, 58, and 58- 1, 59, and 59-1 Selection key
61, 62, 63, 71, 72, 73, 81, 82, 83 Storage condition
150 Touch Panel
151 "Basic Scanner" Tab
152 "Liking Scanner" Tab
153 "Scanner Functional Listing" Tab
154 "Scanner Job Memory" Tab
158 158-1 Selection key
160 Key "Which Confirms Front Setting Out"
191, 192, 193 Storage condition

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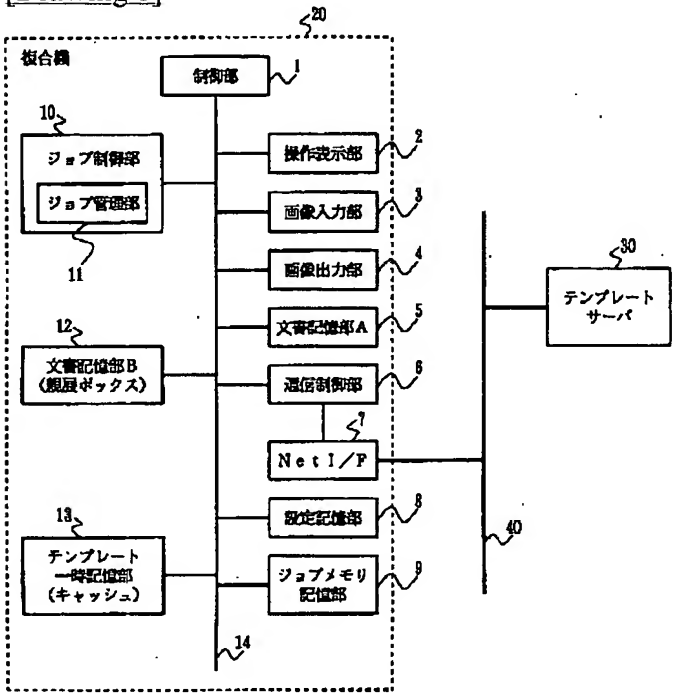
DRAWINGS

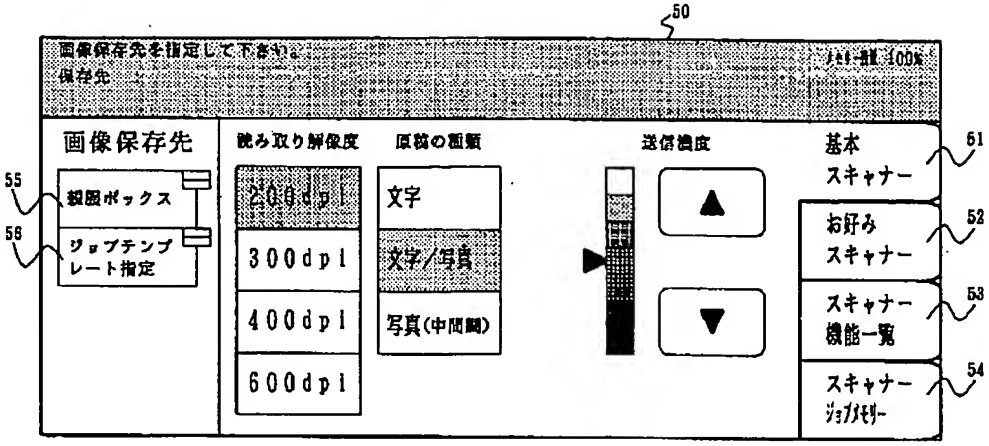
[Drawing 1]



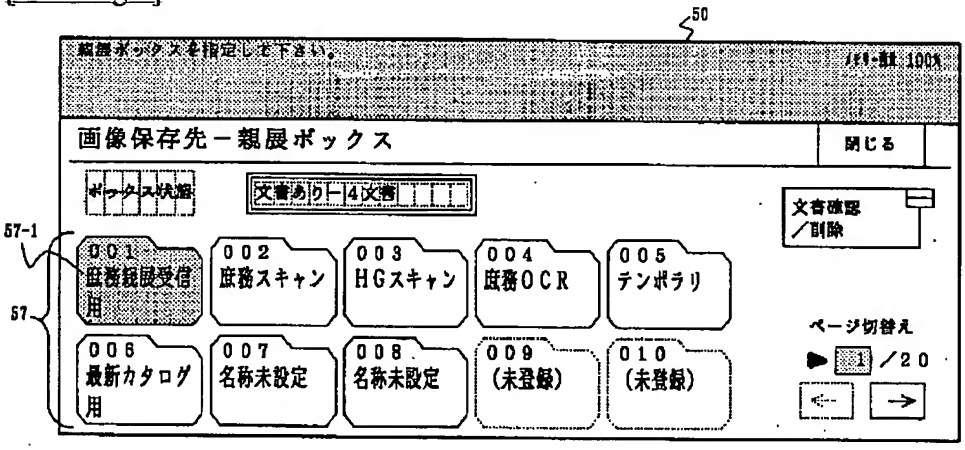
[Drawing 13]

項 目	ジョブメモリで設定	ジョブテンプレートで設定	操作部で設定
格納先親展ボックス	○	×	○
格納先アドレス	×	○	×
読み取り解像度	○	○	○
原稿の種類	○	○	○
読み取り濃度	○	○	○
読み取りサイズ	○	○	○
両面指定	○	○	○
圧縮方式	×	○	×

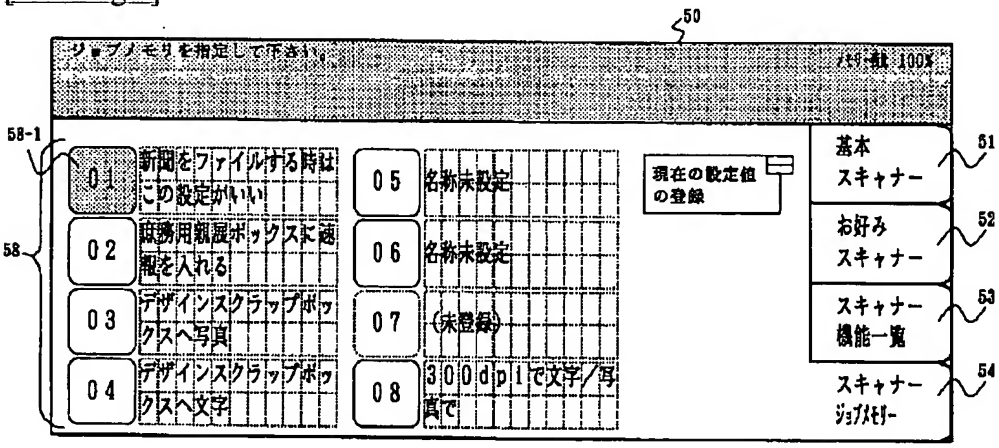
[Drawing 2]



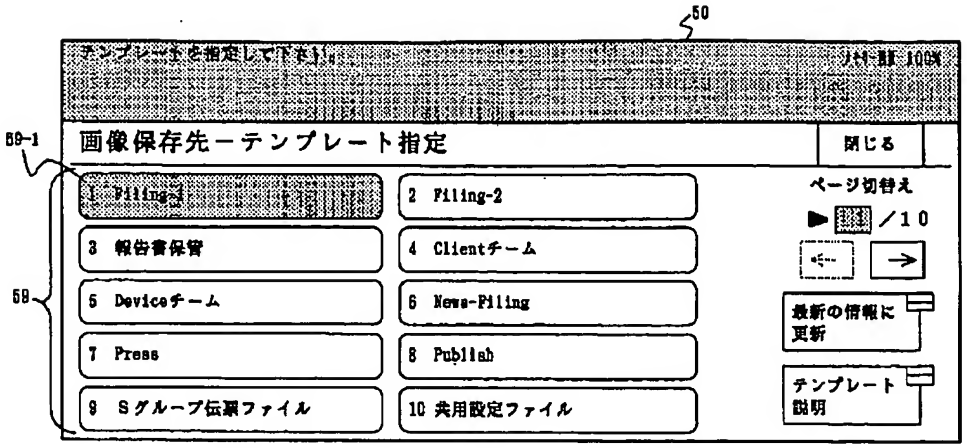
[Drawing 3]



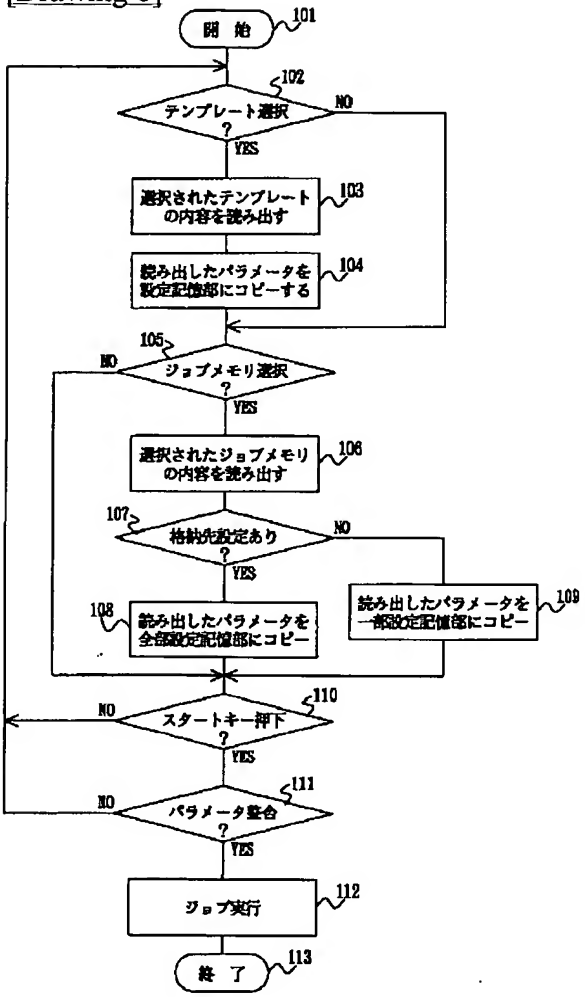
[Drawing 4]



[Drawing 5]



[Drawing 6]



[Drawing 7]

パラメータ	ﾌｫﾙﾀﾞﾒﾓﾘ
格納先	組戻ﾎﾞｯｸｽ01
読取濃度	濃く
解像度	200dpi
倍 率	100%

(a)

パラメータ	ﾌｫﾙﾀﾞﾃﾝﾌﾟﾚｰﾄ
格納先	アドレス01
読取濃度	薄く
解像度	400dpi
倍 率	70%

(b)

パラメータ	状 態
格納先	——
読取濃度	——
解像度	——
倍 率	——

61 → | パラメータ | 状 態 | 62 → | パラメータ | 状 態 | 63 →

パラメータ	状 態
格納先	組戻ﾎﾞｯｸｽ01
読取濃度	濃く
解像度	200dpi
倍 率	100%

パラメータ	状 態
格納先	アドレス01
読取濃度	薄く
解像度	400dpi
倍 率	70%

(c)

[Drawing 8]

パラメータ	ﾌｫﾙﾀﾞﾃﾝﾌﾟﾚｰﾄ
格納先	アドレス01
読取濃度	薄く
解像度	400dpi
倍 率	70%

(a)

パラメータ	ﾌｫﾙﾀﾞﾒﾓﾘ
格納先	組戻ﾎﾞｯｸｽ01
読取濃度	濃く
解像度	200dpi
倍 率	100%

(b)

パラメータ	状 態
格納先	——
読取濃度	——
解像度	——
倍 率	——

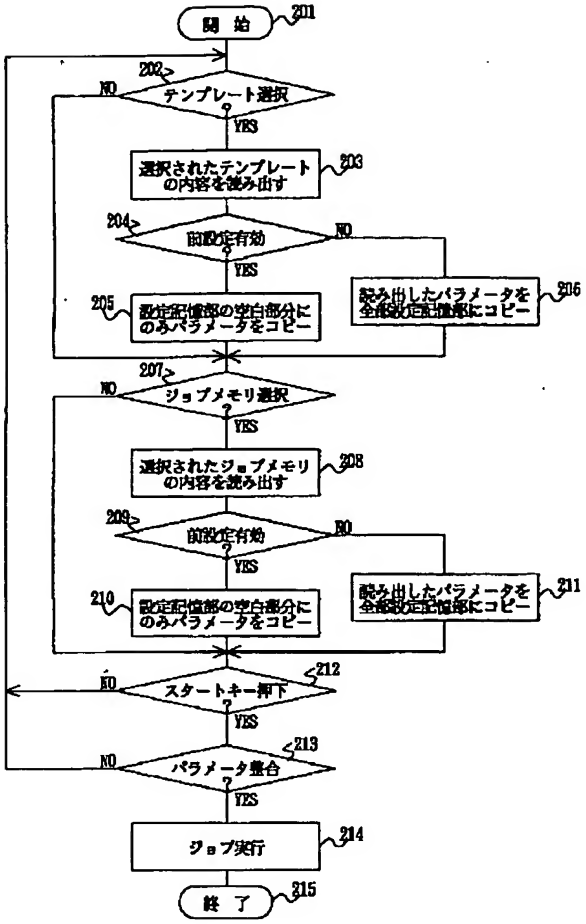
71 → | パラメータ | 状 態 | 72 → | パラメータ | 状 態 | 73 →

パラメータ	状 態
格納先	組戻ﾎﾞｯｸｽ01
読取濃度	濃く
解像度	200dpi
倍 率	100%

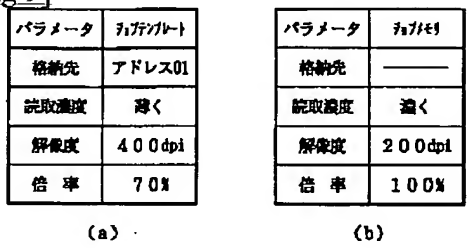
パラメータ	状 態
格納先	アドレス01
読取濃度	薄く
解像度	400dpi
倍 率	70%

(c)

[Drawing 11]



[Drawing 9]

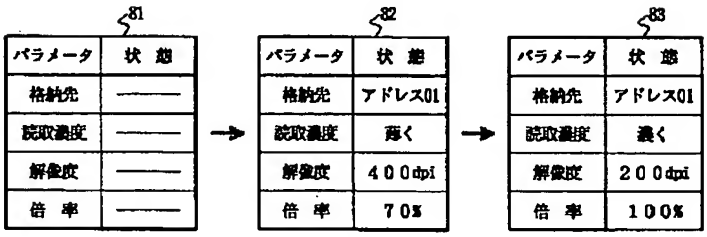


パラメータ	テンプレート
格納先	アドレス01
読取濃度	薄く
解像度	400dpi
倍 率	70%

(a)

パラメータ	ジョブメモリ
格納先	――
読取濃度	濃く
解像度	200dpi
倍 率	100%

(b)



パラメータ	状 態
格納先	――
読取濃度	――
解像度	――
倍 率	――

81

パラメータ	状 態
格納先	アドレス01
読取濃度	薄く
解像度	400dpi
倍 率	70%

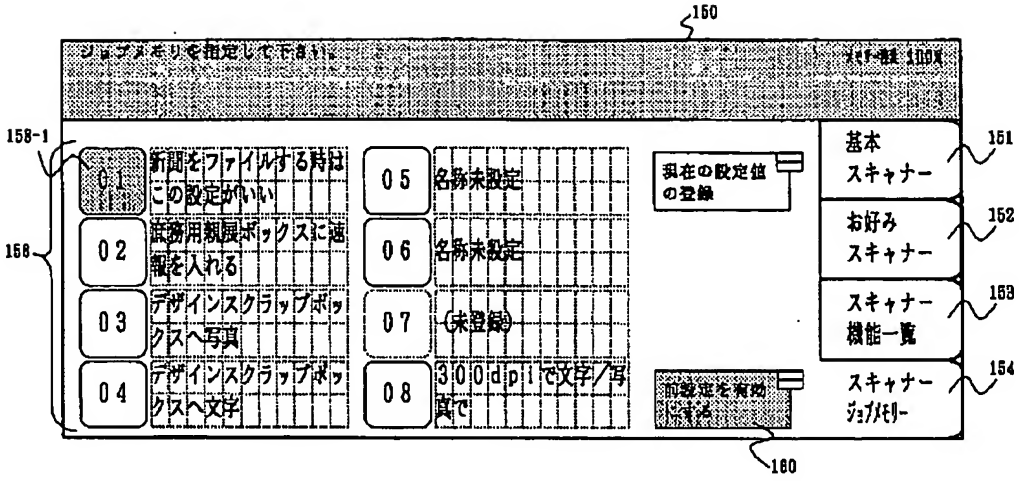
82

パラメータ	状 態
格納先	アドレス01
読取濃度	濃く
解像度	200dpi
倍 率	100%

83

(c)

[Drawing 10]



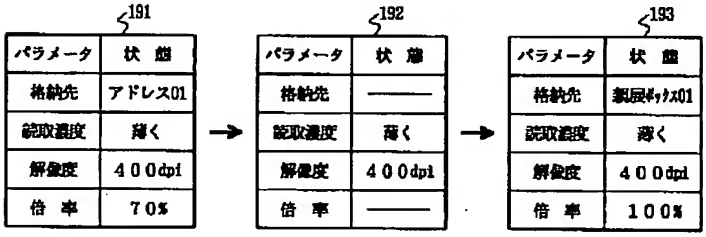
[Drawing 12]

パラメータ	ジョブテンプレート
格納先	アドレス01
読取濃度	薄く
解像度	400dpi
倍率	70%

(a)

パラメータ	ジョブメモリ
格納先	親展ボックス01
読取濃度	濃く
解像度	200dpi
倍率	100%

(b)



(c)

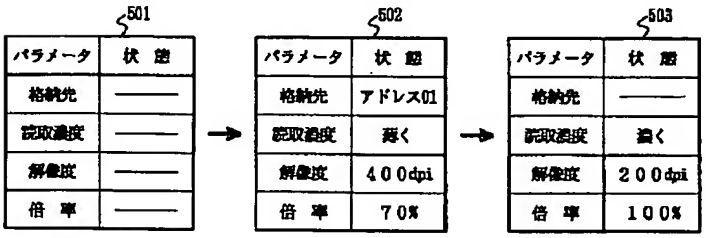
[Drawing 14]

パラメータ	ジョブテンプレート
格納先	アドレス01
読取濃度	薄く
解像度	400dpi
倍率	70%

(a)

パラメータ	ジョブメモリ
格納先	———
読取濃度	濃く
解像度	200dpi
倍率	100%

(b)



(c)

[Translation done.]